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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/675,688	09/29/2000	Ashraf A. Michail	MSI-675US	1484

22801 7590 10/30/2007  
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EXAMINER
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STORK, KYLE R

ART UNIT	PAPER NUMBER
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2178

MAIL DATE	DELIVERY MODE
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10/30/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	09/675,688		MICHAIL ET AL.	
	<b>Examiner</b>		<b>Art Unit</b>	
	Kyle R. Stork		2178	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 06 September 2007.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-6,23-28 and 36-41 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6,23-28 and 36-41 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>2.6.07</u> | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. This non-final office action is in response to the Request for Continued Examination filed 6 September 2007 and the amendment filed 3 July 2007.
2. Claims 1-6, 23-28, and 36-41 are pending. Claims 1, 23, and 36 are independent claims.

The rejection of claims 1-6, 23-28, and 36-41 under 35 USC 102(b) over Simpson (Mastering WordPerfect® 5.1 & 5.2 For Windows™, 1993) has been withdrawn as necessitated by the amendment.

### ***Information Disclosure Statement***

3. The information disclosure statement (IDS) submitted on 6 September 2007 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the examiner is considering the information disclosure statement.

### ***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-6, 23-28, and 36-41 are rejected under 35 U.S.C. 103(a) as being unpatentable over Simpson (Mastering WordPerfect® 5.1 & 5.2 For Windows™, 1993) and further in view of Moody et al. (US 5890177, patented 30 March 1999, hereafter Moody).

As per independent claim 1, Simpson discloses in an extensible electronic document editor, a selection services component comprising a selection services interface that provides one or more methods to enable an editor extension to override a selection function provided by the electronic document editor and provide a customized model for the selection function (pages 512, 514, and 517-518: Here a user overrides an existing macro provided by the electronic document editor by overwriting the pre-existing macro), and to clear, add or remove a segment from a selection object using the customized model for the selection function (pages 517-518 and 520: Here, a user is able to edit a macro by clearing the macro and overwriting or by adding/removing a segment from the macro).

Simpson fails to specifically disclose:

A designer extensibility mechanism

A plurality of designers, wherein the designers communicate with the electronic document editor through the designer extensibility mechanism and through the selection services component

A designer registry including respective entries for the designers, wherein the entries are arranged in sequential order

An event routing controller adapted to route events to at least one of the designers based at least in part on the sequential order of the entries in the designer registry

However, Moody discloses

A designer extensibility mechanism (Figure 2; column 4, lines 20-63)

A plurality of designers, wherein the designers communicate with the electronic document editor through the designer extensibility mechanism and through the selection services component (Figure 2; column 4, lines 20-63)

A designer registry including respective entries for the designers, wherein the entries are arranged in sequential order (Figure 2; column 4, lines 20-63)

An event routing controller adapted to route events to at least one of the designers based at least in part on the sequential order of the entries in the designer registry (Figure 2; column 4, lines 20-63: Here, a plurality of users are able to make edits and suggestions to a document created by an original creator. The original creator receives these modified documents and comments. The original creator is first in the sequential order, as he/she created the document. All modifications are returned to the original creator).

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to have combined Moody with Simpson, since it would have more easily allowed for peer editing of a document (Moody: column 4, lines 20-63).

As per dependent claim 2, Simpson discloses wherein one of the methods provided further comprises a method that adds an element to an editable selection (pages 517-518 and 520).

As per dependent claim 3, Simpson discloses wherein the selection services interface is adapted to enable the extensible electronic document editor to interact with the customized selection model without exposing details of the editor extension (page 516-517: Here, when a macro is executed, the user does not see the actually keystrokes/coding of the macro. Instead the user merely has the resulting document).

As per dependent claim 4, Simpson discloses wherein one of the methods further comprises a method that adds a segment to an editable selection (pages 523-525: Here, a user is able to edit the text of the macro similarly to editing a text document).

As per dependent claim 5, Simpson discloses wherein one of the methods further comprises a method that removes a segment from an editable selection (pages 523-525).

As per dependent claim 6, Simpson discloses wherein one of the methods further comprises a method that sets a selection type (pages 526-535: Here, macros can be of a plurality of types, including automatic execution, automatic execution at start-up, and nested).

As per independent claims 23, Simpson discloses a computer-readable medium having computer-executable instructions for one or more interfaces that, when executed by an extensible electronic document editor on a computer, perform the following steps:

- Override a selection function provided by the electronic document editor to provide a customized model for the selection function (pages 512, 514, and 517-518)
- Receive parameters from a designer through a selection services interface (pages 512-513: Here, the creation of a macro enters parameters from a designer through a selection services interface)
- Utilize the parameters to clear, add, or remove a selected segment from a selection object of an electronic document using the customized model for the selection function (pages 517-518 and 520)
- Return values to the designer regarding the state of the selected segment (pages 514-515: Here, a designer recording a macro is presented with a macro definition that has recorded all the keystrokes while creating the macro)

Simpson fails to specifically disclose:

A designer extensibility mechanism

A plurality of designers, wherein the designers communicate with the electronic document editor through the designer extensibility mechanism and through the selection services component

A designer registry including respective entries for the designers, wherein the entries are arranged in sequential order

An event routing controller adapted to route events to at least one of the designers based at least in part on the sequential order of the entries in the designer registry

However, Moody discloses

A designer extensibility mechanism (Figure 2; column 4, lines 20-63)

A plurality of designers, wherein the designers communicate with the electronic document editor through the designer extensibility mechanism and through the selection services component (Figure 2; column 4, lines 20-63)

A designer registry including respective entries for the designers, wherein the entries are arranged in sequential order (Figure 2; column 4, lines 20-63)

An event routing controller adapted to route events to at least one of the designers based at least in part on the sequential order of the entries in the designer registry (Figure 2; column 4, lines 20-63: Here, a plurality of users are able to make edits and suggestions to a document created by an original creator. The original creator receives these modified documents and comments. The original creator is first in the sequential order, as he/she created the document. All modifications are returned to the original creator).

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to have combined Moody with Simpson, since it would have more easily allowed for peer editing of a document (Moody: column 4, lines 20-63).

As per dependent claims 24-28, the applicant discloses the limitations similar to those in claims 2-6 respectively. Claims 24-28 are similarly rejected.

As per independent claim 36, the applicant discloses the limitations similar to those in claims 1 and 23. Claim 36 is similarly rejected.



As per dependent claims 37-41, the applicant discloses the limitations similar to those in claims 2-6 respectively. Claims 37-41 are similarly rejected.

### ***Response to Arguments***

6. Applicant's arguments with respect to claims 1-6, 23-28, and 36-41 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kyle R. Stork whose telephone number is (571) 272-4130. The examiner can normally be reached on Monday-Friday (8:00-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong can be reached on (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2178

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Kyle R Stork  
Patent Examiner  
Art Unit 2178

hrs

  
STEPHEN HONG  
SUPERVISORY PATENT EXAMINER